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Biaxially drawn polyamide film - having improved shrink characteristic and dimensional stability
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Patent Family

Patent Number	Kind	Date	Application Number	Kind	Date	Week	Type
DE 2160118	A					197225	B
FR 2116530	A					197244	
GB 1321167	A					197325	
JP 75005751	B	19750306				197514	
JP 75005752	B	19750306				197514	
DE 2160118	B	19770303				197710	
US 4133802	A	19790109				197904	

Priority Applications (Number Kind Date): JP 70107844 A (19701204); JP 70107843 A (19701204)

Abstract:

DE 2160118 A

An undrawn polyamide film comprising at least 70 mol % repeat units derived from m-xylylene diamine or a mixture of m and p-xylylene diamine contg. is not >30 mol % p-xylylene diamine and an aliphatic alpha, omega - 6-10C dicarboxylic acid is biaxially drawn, either simultaneously or consecutively. If drawn simultaneously, this is effected according to the inequality $-10 W + 120 + 12 \log \text{Epsilon} / 1000 > T \geq -6 W + 80$ (I), and if drawn stepwise or consecutively, according to the inequality $-10 W + 130 + 7 \log \text{Epsilon} / 1000 > T \geq -6 W + 80$ (II) where w is the humidity content of the undrawn film in wt %, Epsilon is the rate of drawing in %/min. and T is the drawing temp. in degrees C. Products have outstanding shrink characteristics, dimensional stability mech. props. transparency and impermeability to gases.

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